

5' AAGG GGC GCT GCC GCG AGC CTC CGG GCC TCA GGG TGT TCC GGG GAG CGG CGC

63 CCC GGG TCT CTG GGC CCA CCC GCC CCG GGC GTC CGA GAG TGG GGG CTG CGC  
117 CCG CGG GGT CAG ACA CCT GTT CGG CCC GGC CCG GCG TGG TCG CCG GGG GCC AGG

171 ATG AAA GTG ACC GTG TGC TTC GGC AGG ACG GGC ATC GTG GTG CCC TGC AAG GAG

M K V T V C F G R T G I V V P C K E

225 GGC CAG CTG CGC GTC GGC GAG CTC ACC CAG CAG GCG CTG CAG CGG TAC CTG AAG  
G Q L R V G E L T Q Q A L Q R Y L K

279 ACC CGG GAG AAG GGT CCT GGT TAC TGG GTG AAG ATT CAT CAC TTA GAA TAT ACA  
T R E K G P G Y W V K I H H L E Y T

9 18 27 36 45 54  
63 72 81 90 99 108  
117 126 135 144 153 162  
171 180 189 198 207 216  
M K V T V C F G R T G I V V P C K E  
225 234 243 252 261 270  
G Q L R V G E L T Q Q A L Q R Y L K  
279 288 297 306 315 324  
ACC CGG GAG AAG GGT CCT GGT TAC TGG GTG AAG ATT CAT CAC TTA GAA TAT ACA  
T R E K G P G Y W V K I H H L E Y T

FIGURE 1A

GAT	GGA	ATC	CTG	GAT	CCA	GAT	GTC	TTG	GCA	GAT	GTT	GAA	GAT	AAA	378			
D	G	I	L	D	P	D	D	V	L	A	D	V	V	D				
GAC	AAG	CTG	ATT	GCT	GTG	TTT	GAA	GAA	CAA	GAA	CCA	CTC	CAC	AAG	ATT	GAG	432	
D	K	L	I	A	V	F	E	E	Q	E	P	L	H	K	I	E	S	
CCC	AGT	GGA	AAC	CCT	GCA	GAT	CGG	CAG	AGC	CCA	GAT	GCT	TTT	GAG	ACA	GAA	GTG	486
P	S	G	N	P	A	D	R	Q	S	P	D	A	F	E	T	E	V	
GCC	CAA	CTG	GCT	GCA	TTT	AAG	CCA	ATT	GGT	GGG	GAG	ATT	GAA	GTA	ACC	CCT	540	
A	A	Q	L	A	A	F	K	P	I	G	G	E	I	E	V	T	P	
TCT	GCT	CTA	AAA	CTA	GGC	ACT	CCA	CTG	CTG	AGG	AGA	AGC	AGT	GAC	CCA	GTG	594	
S	A	L	K	L	G	T	P	L	L	V	R	R	S	S	D	P	V	

FIGURE 1B

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CCA	GGC	CCA	CCT	GCT	GAT	ACC	CAG	CCA	AGC	GCT	TCA	CAC	CCT	GGT	GGC	CAG	AGT
P	G	P	P	A	D	T	Q	P	S	A	S	H	P	G	G	Q	S
L	K	L	V	V	P	D	S	T	Q	N	L	E	D	R	E	V	L
N	G	V	Q	T	E	L	L	T	S	P	R	T	K	D	T	L	S
GAT	ATG	ACA	AGA	ACA	GAA	CTA	CTA	ACT	TCG	CCA	AGA	ACT	AAG	GAC	ACA	TTG	AGT
D	M	T	R	T	V	E	I	S	G	E	G	G	P	L	G	I	H
GTA	GTG	CCC	TTC	TTT	TCA	TCT	CTG	AGT	GGA	AGG	ATT	CTA	GGA	C <sup>m</sup> TC	TTC	ATC	CGA
V	V	P	F	F	S	S	L	S	G	R	I	L	G	L	F	I	R

FIGURE 1C

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FIGURE 1D

the first time in the history of the world, the people of the United States have been compelled to make a choice between two political parties.

1143	1152	1161	1170	1179	1188
AAA TCG GGA CTA AAG ACA GCA AAC AAT CTC ACA GGA ACC GAT AGT CCT GAA ACA GAT	---	---	---	---	---
K S G L K T A N L T G T D S P E T D	---	---	---	---	---
1197	1206	1215	1224	1233	1242
GCA TCA GCT TCC CTG CAA CAA AAC AAG AGT CCC CGA GTA CCA AGG CTG GGA GGA	---	---	---	---	---
A S A S L Q Q N K S P R V P R L G G	---	---	---	---	---
1251	1260	1269	1278	1287	1296
AAA CCA TCC TCT CCC TCA CTC TCG CCT CTC ATG GGA TTT GGC AGC AAT AAA AAT	---	---	---	---	---
K P S S P S L S P L M G F G S N K N	---	---	---	---	---
1305	1314	1323	1332	1341	1350
GCA AAG AAA ATT AAG ATT GAC CTA AAG AAA GGC CCT GAA GGA CTT GGT TTC ACT	---	---	---	---	---
A K K I K I D L K G P E G L G F T	---	---	---	---	---
1359	1368	1377	1386	1395	1404
GTC GTG ACC AGA GAC TCT TCC ATA CAT GGT CCC GGT CCC ATT TTT GTA AAA AAC	---	---	---	---	---
V V T R D S S I H G P G P I F V K N	---	---	---	---	---

FIGURE 1E

ATG TAA CCA AAG GCA GCA ATA AAA GAT GGC CGC CTA CAA TCA GGG GAC AGA

1413 1422 1431 1440 1449 1458  
ATT TTA CCA AAG GGA GCA GCA ATA AAA GAT GGC CGC CTA CAA TCA GGG GAC AGA  
---  
I L P K G A A I K D G R L Q S G D R

1467 1476 1485 1494 1503 1512  
ATT TTG GAG GTA AAT GGG AGA GAT GTC ACC GGA CGA ACC CAG GAA GAG CTT GTG  
---  
I L E V N G R D V T G R T Q E E L V

1521 1530 1539 1548 1557 1566  
GCC ATG CTC AGG AGC ACC AAG CAG GGG GAG ACA GCA TCG CTG GTC ATT GCC CGC  
---  
A M L R S T K Q G E T A S L V I A R

1575 1584 1593 1602 1611 1620  
CAA GAA GGA CAT TTT CTG CCC CGA GAG TTG AAA GGA GAA CCT GAC TGC TGT GCA  
--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- ---  
Q E G H F L P R E L K G E P D C C A

1629 1638 1647 1656 1665 1674  
CTC TCT CTG GAG ACA AGC GAG CAG CTC ACC TTT GAG ATC CCC CTG AAT GAT TCA  
--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- ---  
L S L E T S E Q L T F E I P L N D S

FIGURE 1F

the first time in the history of the world.

G	S	A	G	L	G	V	S	L	K	G	N	K	S	R	E	T	G
GGT	TCT	GCT	GGC	CTC	GGG	GTG	AGC	TTA	AAA	GGG	AAC	AAA	TCC	AGA	GAA	ACT	GGA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1683	1692	1692	1692	1692	1692	1701	1701	1701	1710	1710	1710	1719	1719	1719	1728	1728	1728
ACA	GAC	TTC	GGG	ATT	TTT	ATC	AAA	TCC	ATC	ATT	CAT	GGA	GGC	GCT	GCT	TTT	AAG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
T	D	L	G	I	F	I	K	S	I	I	H	G	G	A	A	F	K
GAT	GGT	CGT	CTG	CGA	ATG	AAT	GAC	CAG	CTG	ATT	GCA	GTT	AAT	GGG	GAA	TCT	CTT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1737	1746	1746	1746	1755	1755	1764	1764	1764	1773	1773	1773	1782	1782	1782	1782	1782	1782
D	G	R	L	R	M	N	D	Q	L	I	A	V	N	G	E	S	L
GAT	GGT	CGT	CTG	CGA	ATG	AAT	GAC	CAG	CTG	ATT	GCA	GTT	AAT	GGG	GAA	TCT	CTT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1791	1800	1800	1800	1809	1809	1818	1818	1818	1827	1827	1827	1836	1836	1836	1836	1836	1836
T	TG	GGA	AAG	TCC	AAC	CAC	GAA	GCT	ATG	GAA	ACA	CTT	AGG	CGG	CCA	ATG	TCC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1845	1854	1854	1854	1863	1863	1872	1872	1872	1881	1881	1881	1890	1890	1890	1890	1890	1890
L	G	K	S	N	H	E	A	M	E	T	L	R	R	P	M	S	M
GAG	GGA	AAC	ATC	CGA	GGG	ATG	ATC	CAG	TTG	GTG	ATT	CTG	AGG	AGG	CCA	GAG	AGA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1899	1908	1908	1908	1917	1917	1926	1926	1926	1935	1935	1935	1944	1944	1944	1944	1944	1944
E	G	N	I	R	G	M	I	Q	L	V	I	L	R	P	E	R	R

## FIGURE 1G

1953 1962 1971 1980 1989 1998  
CCA ATG GAG GAT CCT GCA GAG TGT GGG GCA TTT TCC AAG CCA TGC TTT GAG AAC

---  
P M E D P A E C G A F S K P C F E N

2007 2016 2025 2034 2043 2052  
TGT CAA AAT GCT GTA ACC ACC TCT AGG CGA AAT GAT AAT AGT ATC CTG CAT CCA

C Q N A V T S R R N D N S I L H P

2061 2070 2079 2088 2097 2106  
CTT GGC ACT TGC AGT CCA CAA GAC AAA CAG AAA GGT CTA TTG CTG CCC AAT GAC

L G T C S P Q D K Q K G L L P N D

2115 2124 2133 2142 2151 2160  
GGA TGG GCC GAG AGT GAA GTT CCA CCT TCT CCA ACA CCA CAT TCT GCT CTG GGA

G W A E S E V P P S P T P H S A L G

2169 2178 2187 2196 2205 2214  
TTG GGC CTC GAA GAT TAC AGC CAC AGC TCT GGG GTG GAT TCA GCA GTA TAT TTT

## FIGURE 1H

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CCA	GAT	CAG	CAC	ATC	AAC	TTC	AGA	TCT	GTG	ACA	CCG	GCC	AGG	CAG	CCT	GAA	TCA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P	D	Q	H	I	N	F	R	S	V	T	P	A	R	Q	P	E	S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2223	2232	2232	2241	2241	2250	2250	2259	2259	2268	2268	2268	2268	2268	2268	2268	2268	2268
ATT	AAT	TTG	AAA	GCC	TCG	AAG	AGC	ATG	GAC	CCT	GTG	CCA	GAT	GAA	AGC	AAG	GTT
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I	N	L	K	A	S	K	S	M	D	L	V	P	D	E	S	K	V
2331	2340	2340	2349	2349	2358	2358	2367	2367	2376	2376	2376	2376	2376	2376	2376	2376	2376
CAC	TCA	TTG	GCT	GGA	CAA	AAA	TCG	GAA	TCT	CCA	AGC	AAA	GAT	TTT	GGT	CCA	ACT
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	S	L	A	G	Q	K	S	E	S	P	S	K	D	F	G	P	T
2385	2394	2394	2403	2403	2412	2412	2421	2421	2430	2430	2430	2430	2430	2430	2430	2430	2430
CTG	GGT	TTG	AAA	AAG	TCC	AGC	TCC	TTG	GAG	AGT	CTG	CAG	ACT	GCA	GTG	GCC	GAG
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L	G	L	K	K	S	S	S	L	E	S	L	Q	T	A	V	A	E
2439	2448	2448	2457	2457	2466	2466	2475	2475	2484	2484	2484	2484	2484	2484	2484	2484	2484
GTC	AGG	AAG	AAT	GAC	CTT	CCC	TTT	CAC	AGG	CCC	CGG	CCG	CAC	ATG	GTT	CGA	GGC
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V	R	K	N	D	L	P	F	H	R	P	R	P	H	M	V	R	G

FIGURE 11

CGA	GGC	TGC	AAT	GAG	AGC	TTT	AGA	GCA	GCC	ATT	GAC	AAA	TCC	TAC	GAT	GGA	CCT
R	G	C	N	E	S	F	R	A	A	I	D	K	S	Y	D	G	P
2493	2502	2556	2565	2574	2574	2592	2593	2593	2592	2592	2592	2592	2592	2592	2592	2592	2592
GAA	GAA	ATA	GAA	GCT	GAC	GGT	CTG	TCT	GAT	AAG	AGC	TCT	CAC	TCT	GGC	CAA	GGA
E	E	I	E	A	D	G	L	S	D	K	S	S	H	S	G	Q	G
2601	2610	2619	2628	2628	2637	2646	2646	2646	2646	2646	2646	2646	2646	2646	2646	2646	2646
GCT	CTG	AAT	TGT	GAG	TCT	GCC	CCT	CAG	GGG	AAT	TCG	GAG	CTA	GAG	GAC	ATG	GAA
A	L	N	C	E	S	A	P	Q	G	N	S	E	L	E	D	M	E
2655	2664	2673	2682	2682	2691	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700
ATT	AAA	GCC	AGG	AAA	GTC	AAA	AAA	ACG	AAA	GAG	AAG	AAG	AAA	AAG	GAA	AAG	AAG
N	K	A	R	K	V	K	K	T	K	E	K	E	K	K	E	K	K
2709	2718	2727	2736	2745	2745	2754	2754	2754	2754	2754	2754	2754	2754	2754	2754	2754	2754
GGC	AAA	TTG	AAA	GTC	AAG	GAG	AAA	AAG	CGC	AAA	GAG	GAG	AAT	GAA	GAT	CCA	GAA
G	K	L	K	V	K	E	K	K	R	K	E	E	N	E	D	P	E

FIGURE 1J

AGG AAG GCA CTT CGT TAC GAA AGT TAC AGT GAT GAC AGG ACA CTG TCT TAA 3'

AGG	AAA	ATA	AAG	AAG	AAG	GGC	TTC	GGC	GCC	ATG	CTG	AGG	TAT	GGG	CCT	GCT	GCT	TTC
R	K	I	K	K	G	F	G	A	M	L	R	Y	G	P	A	L		
2817			2826			2835			2844			2853			2862			
AAG	GCA	AAG	TTG	GTG	CTC	ATT	TTG	TCT	CTC	CTG	AAA	AAA	GCG	CAC	GCT	TTC	TTC	CCT
K	A	K	L	V	L	I	L	S	L	L	K	K	A	H	A	F	P	
2871			2880			2889			2898			2907			2916			
CGT	CTT	CAG	CCA	AAT	GCA	TAC	GGC	TCT	CAA	TTC	TGT	GCT	CGT	TCT	CTT	TCT	TCT	GCA
R	L	Q	P	N	A	Y	G	S	Q	F	C	A	R	S	L	S	A	
2925			2934			2943			2952			2961			2970			
GAG	GCA	GAG	GAG	CTT	TTT	GGG	GAA	AGT	TAC	AGT	GAT	GAC	AGG	ACA	CTG	TCT	TAA	3'
E	A	E	E	L	F	G	E	S	Y	S	D	D	R	T	L	S		

FIGURE 1K

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5'	ATG	AAA	GTG	ACC	GTG	TGC	TTC	GGA	CGG	ACC	CGG	GTG	GTG	CCG	TGC	GGG	GAC	54
M	K	V	T	V	C	F	G	R	T	R	V	V	P	C	G	D	--	--
GGC	CAC	ATG	AAA	GTT	TTC	AGC	CTC	ATC	CAG	CAG	GCG	GTG	ACC	CGC	TAC	CGG	AAG	108
G	H	M	K	V	F	S	L	I	Q	Q	A	V	T	R	Y	R	K	--
GCC	ATC	GCC	AAG	GAT	CCA	AAC	TAC	TGG	ATA	CAG	GTG	CAT	CGC	TTG	GAA	CAT	GGA	162
A	I	A	K	D	P	N	Y	W	I	Q	V	H	R	L	E	H	G	--
GAT	GGA	GGA	ATA	CTA	GAC	CTT	GAT	GAC	ATT	CTT	TGT	GAT	GTA	GCA	GAC	GAT	AAA	216
D	G	G	I	L	D	L	D	D	I	L	C	D	V	A	D	D	K	--
GAC	AGA	CTG	GTA	GCA	GTG	TTT	GAT	GAG	CAG	GAT	CCA	CAT	CAC	GGA	GGT	GAT	GGC	270
D	R	L	V	A	V	F	D	E	O	D	P	H	H	G	D	G	--	

FIGURE 2A

ACG	AGT	GCC	AGT	TCC	ACG	GGT	ACC	CAG	AGC	CCA	GAG	ATA	TTT	GGT	AGT	GAG	CTT
T	S	A	S	S	T	G	T	Q	S	P	E	I	F	G	S	E	L
GGC	ACC	AAC	AAT	GTC	TCA	GCC	TTT	CAG	CCT	TAC	CAA	GCA	ACA	AGT	GAA	ATT	GAG
G	T	N	N	V	S	A	F	Q	P	Y	Q	A	T	S	E	I	E
GTC	ACA	CCT	TCA	GTC	CTT	CGA	GCA	AAT	ATG	CCT	CTT	CAT	GTT	CGA	CGC	AGT	AGT
V	T	P	S	V	L	R	A	N	M	P	L	H	V	R	R	S	S
GAC	CCA	GCT	CTA	ATT	GGC	CTC	TCC	ACT	TCT	GTC	AGT	GAT	AGT	AAT	TTT	TCC	TCT
D	P	A	L	I	G	L	S	T	S	V	S	D	S	N	F	S	S
GAA	GAG	CCT	TCA	AGGG	AAA	AAT	CCC	ACA	CGC	TGG	TCA	ACA	ACA	GCT	GGC	TTC	CTC
E	E	P	S	R	K	N	P	T	R	W	S	T	T	A	G	F	L

FIGURE 2B

AAG	CAG	AAC	ACT	GCT	GGG	AGT	CCT	AAA	ACC	TGC	GAC	AGG	AAG	AAA	GAT	GAA	AAC	594
K	Q	N	T	A	G	S	P	K	T	C	D	R	K	K	D	E	N	
TAC	AGA	AGC	CTC	CCG	CGG	GAT	ACT	AGT	AAC	TGG	TCT	AAC	CAA	TAA	TGT	CAG	AGA	648
Y	R	S	L	P	R	D	T	S	N	W	S	N	Q	F	Q	R	D	
AAT	GCT	CGC	TCG	TCT	CTG	AGT	GCC	AGT	CAC	CCA	ATG	GTG	GGC	AAG	TGG	CTG	GAG	702
N	A	R	S	S	L	S	A	S	H	P	M	V	G	K	W	L	E	
AAA	CAA	GAA	CAG	GAT	GAG	GAT	GGG	ACA	GAA	GAG	GAT	AAC	AGT	CGT	GTT	GAA	CCT	756
K	Q	E	Q	D	E	D	G	T	E	E	D	N	S	R	V	E	P	
GTT	GGA	CAT	GCT	GAC	GGT	TTG	GAG	CAT	ATA	CCC	AAC	TTT	TCT	CTG	GAT	GAT	GAT	810
V	G	H	A	D	T	G	L	E	H	I	P	N	F	S	L	D	D	

FIGURE 2C

ATG TTT CGC CAA GCC CGT ATG ACA CCC ATC ATT TGG TTC CAT GTG GTT CCT GCA

ATG	GTA	AAG	CTC	GTA	GAA	GTC	CCC	AAC	GAT	GGA	GGG	CCT	CTG	GGA	ATC	CAT	GTA
M	V	K	L	V	E	V	P	N	D	G	G	P	L	G	I	H	V
GTG	CCT	TTC	AGT	GCT	CGA	GGC	GGC	AGA	ACC	CTG	GGG	TAA	TAA	GTA	AAA	CGA	TTC
V	P	F	S	A	R	G	G	R	T	L	G	L	L	V	K	R	L
GAG	AAA	GGT	GGT	AAA	GCT	GAA	CAT	GAA	AAT	CCT	TAA	CGT	GAG	AAT	GAT	TGC	ATT
E	K	G	G	K	A	E	H	E	N	L	F	R	E	N	D	C	I
GTC	AGG	ATT	AAT	GAT	GGC	GAC	CTT	CGA	AAT	AGA	AGA	TTT	GAA	CAA	GCA	CAA	CAT
V	R	I	N	D	G	D	L	R	N	R	R	F	E	Q	A	Q	H
ATG	TTT	CGC	CAA	GCC	CGT	ATG	ACA	CCC	ATC	ATT	TGG	TTC	CAT	GTG	GTG	CCT	GCA
M	F	R	Q	A	M	R	T	P	I	I	W	F	H	V	V	P	A

FIGURE 2D

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GCA	AAT	AAA	GAG	CAG	TAT	GAA	CAA	CTA	TCC	CAA	AGT	GAG	AAC	AAT	TAC	TAT
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A	N	K	E	Q	Y	E	Q	L	S	Q	S	E	K	N	N	Y
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1143				1152			1161			1170			1179			1134
TCA	AGC	CGT	TTT	AGC	CCT	GAC	AGC	CAG	TAT	ATT	GAC	AAC	AGG	AGT	GTG	AAC
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S	R	F	S	P	D	S	Q	Y	I	D	N	R	S	V	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1197				1206			1215			1224			1233			1188
GCA	GGG	CTT	CAC	ACG	GTG	CAG	AGA	GCA	CCC	CGA	CTG	AAC	CAC	CCG	CCT	GAG
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A	G	L	H	T	V	Q	R	A	P	R	L	N	H	P	P	Y
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1251				1260			1269			1278			1287			1242
ATA	GAC	TCT	CAC	TCA	AGA	CTA	CCT	CAT	AGC	GCA	CAC	CCC	TCG	GGA	AAA	CCA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I	D	S	H	S	R	L	P	H	S	A	H	P	S	G	K	Q
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1305				1314			1323			1332			1341			1350
TCC	GCT	CCA	GCC	TCG	GCA	CCT	CAG	AAT	GTA	TTT	AGT	ACG	ACT	GTA	AGC	AGT
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	A	P	A	S	A	P	Q	N	V	F	S	T	T	V	S	S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FIGURE 2E

Figure 2F: Amino acid sequence alignment of the C-terminal domain of the human RPLP0 gene.

TAT	AAC	ACC	AAA	AAA	ATA	GGC	AAG	AGG	CTT	AAT	ATC	CAG	CTT	AAG	AAA	GGT	ACA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Y	N	T	K	K	I	G	K	R	L	N	I	Q	L	K	K	G	T
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1359	1368	1377	1386	1395	1404												
GAA	GGT	TTG	GGA	TTC	AGC	ATC	ACT	TCC	AGA	GAT	GTA	ACA	ATA	GGT	GGC	TCA	GCT
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E	G	L	G	F	S	I	T	S	R	D	V	T	I	G	G	S	A
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413	1422	1431	1440	1449	1458												
CCA	ATC	TAT	GTG	AAA	AAC	ATT	CTC	CCC	CGG	GGG	GGG	GCC	ATT	CAG	GAT	GGC	CGA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P	I	Y	V	K	N	I	L	P	R	G	A	A	I	Q	D	G	R
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1467	1476	1485	1494	1503	1512												
CTT	AAG	GCA	GGA	GAC	AGA	CTT	ATA	GAG	GTA	AAT	GGA	GTA	GAT	TTA	GTG	GGC	CGA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L	K	A	G	D	R	L	I	E	V	N	G	V	D	L	V	G	K
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1521	1530	1539	1548	1557	1566												
TCC	CAA	GAG	GAA	GTT	GTT	TCG	CTG	TTG	AGA	AGC	ACC	AAG	ATG	GAA	GGA	ACT	GTG
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	Q	E	E	V	V	S	L	L	R	S	T	K	M	E	G	T	V
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FIGURE 2F

AGC CTT CTG GTC TTT CGC CAG GAA GAC GCC TTC CAC CCA AGG GAA CTG AAT GCA

1629 1638 1647 1656 1665 1674  
S L V F R Q E D A F H P R E L N A

1683 1692 1701 1710 1719 1728  
GAG CCA AGC CAG ATG CAG ATT CCA AAA GAA ACG AAA GCA GAA GAT GAG GAT ATT  
E P S Q M Q I P K E T K A E D E D I

1737 1746 1755 1764 1773 1782  
GT<sup>m</sup>T CTT ACA CCT GAT GGC ACC AGG GAA TTT CTG ACA TTT GAA GTC CCA CTT ATT  
V L T P D G T R E F L T F E V P L N

1791 1800 1809 1818 1827 1836  
GAT TCA GGA TCT GCA GGC CTT GGT GTC AGT GTC AAA GGT AAC CGG TCA AAA GAG  
D S G S A G L G V S V K G N R S K E

1845 1854 1863 1872 1881 1890  
AAC CAC GCA GAT TTG GGA ATC TTT GTC AAG TCC ATT ATT AAT GGA GGA GCA GCA  
N H A D L G I F V K S I I N G G A A

FIGURE 2G

1899 1908 1917 1926 1935 1944  
TCT AAA GAT GGA AGG CTT CGG GTG AAT GAT CAA CTG ATA GCA GTA AAT GGA GAA  
---  
S K D G R L R V N D Q L I A V N G E

1953 1962 1971 1980 1989 1998  
TCC CTG TTG GGC AAG ACA AAC CAA GAT GCC ATG GAA ACC CTA AGA AGG TCT ATG  
---  
S L G K T N Q D A M E T L R R S M  
2007 2016 2025 2034 2043 2052  
TCT ACT GAA GGC AAT AAA CGA GGA ATG ATC CAG CTT ATT GTT GCA AGG AGA ATA  
--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- ---  
S T E G N K R G M I Q L I V A R R I  
2061 2070 2079 2088 2097 2106  
AGC AAG TGC AAT GAG CTG AAG TCA CCT GGG AGC CCC CCT GGA CCT GAG CTG CCC  
--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- ---  
S K C N E L K S P G S P P G P E L P  
2115 2124 2133 2142 2151 2160  
ATT GAA ACA GCG TTG GAT GAT AGA GAA CGA AGA ATT TCC CAT TCC CTC TAC AGT  
--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- ---  
I E T A L D R E R I S H S L Y S

FIGURE 2H

ATG GAG TCA GGT AAA TAC CAG CTG TCC CCT ACA GTG AAT ATG CCC CAA GAT

G	I	E	G	L	D	E	S	P	S	R	N	A	A	L	S	R	I
2169	2178	2187	2196	2205	2214												
GGG ATT GAG GGG CTT GAT GAA TCG CCC AGC AGA AAT GCT GCC CTC AGT AGG ATA																	
ATG GGT GAG TCA GGT AAA TAC CAG CTG TCC CCT ACA GTG AAT ATG CCC CAA GAT																	
M G E S G K Y Q L S P T V N M P Q D																	
2223	2232	2241	2250	2255	2268												
ATG GGT GAG TCA GGT AAA TAC CAG CTG TCC CCT ACA GTG AAT ATG CCC CAA GAT																	
2277	2286	2295	2304	2313	2322												
GAC ACT GTC ATT ATA GAA GAT GAC AGG TTG CCA GTG CTT CCT CCA CAT CTC TCT																	
D T V I E D D R L P V L P P H L S																	
2331	2340	2349	2358	2367	2376												
GAC CAG TCC TCT TCC AGC TCC CAT GAT GTG GGG TTT GTG ACG GCA GAT GCT																	
D Q S S S S H D D V G F V T A D A																	
2385	2394	2403	2412	2421	2430												
GGT ACT TGG GCC AAG GCT GCA ATC AGT GAT TCA GCC GAC TGC TCT TTG AGT CCA																	
G T W A K A A I S D S A D C S L S P																	

FIGURE 2I

the first time in the history of the world, the people of the United States have been compelled to make a choice between two political parties.

FIGURE 2J

the first time when we had our first  
meeting.

FIGURE 2K

3078 3079 3080 3081 3082 3083 3084 3085 3086 3087 3088 3089 3090 3091 3092 3093 3094 3095 3096 3097 3098 3099 3100 3101 3102 3103 3104 3105 3106 3107 3108 3109 3110 3111 3112 3113 3114 3115 3116 3117 3118 3119 3120 3121 3122 3123 3124 3125 3126 3127 3128 3129 3130 3131 3132

AAG	GAT	AAA	ACT	GGA	AAA	GAA	AAG	AAG	AAA	GAT	AGA	GAT	AAG	GAG	AAG	GAT	3078
K	D	K	T	G	K	E	K	K	D	R	D	K	E	K	D	3079	
3033	3042	3051	3060	3069	3078												
ATA	ATG	AAA	GCC	AAG	AAG	GGA	ATG	CTG	AAG	GGC	TTG	GGA	GAC	ATG	TTC	AGG	TTT
K	M	K	A	K	K	G	M	L	K	G	L	G	D	M	F	R	F
3087	3096	3105	3114	3123	3132												
GGC	AAA	CAT	CGA	AAA	GAT	GAC	AAG	ATT	GAG	AAA	ACG	GGT	AAA	ATA	AAA	ATA	CAG
G	K	H	R	K	D	D	K	I	E	K	T	G	K	I	K	I	Q
3141	3150	3159	3168	3177	3186												
GAA	TCC	TTT	ACA	TCA	GAA	GAG	GAG	AGG	ATA	CGA	ATG	AAG	CAG	GAG	CAG	GAG	AGG
E	S	F	T	S	E	E	E	R	I	R	M	K	Q	E	Q	E	R
3195	3204	3213	3222	3231	3240												
ATT	CAA	GCC	AAA	ACT	CGA	GAA	T <sup>TTT</sup>	AGG	GAA	CGA	CAA	GCT	CGA	GAG	CGT	GAC	TAT
I	Q	A	K	T	R	E	F	R	E	R	Q	A	R	E	R	D	Y

FIGURE 2L

the first time he had been to the city, he had been

FIGURE 2M

the first time in the history of the world.

FIGURE 2N

AGC TAC CAA GGC TCC AGG AAC GGC TAC CTG GGA CAT GGC TTC AAC GCC AGG

S Y Q G S R N G Y L G G H G F N A R

GTC ATG CTG GAA ACT CAG GAG CTC CTT CGC CAG GAA CAG AGG CGG AAG GAG CAG  
V M L E T Q E L R Q E Q R R K E Q

CAG ATG AAG AAG CAG CCT CCT TCC GAG GGG CCC AGC AAC TAT GAC TCG TAT AAG  
Q M K K Q P P S E G P S N Y D S Y K

AAA GTC CAG GAC CCC AGT TAC GCC CCT CCC AAG GGG CCC TTC CGG CAA GAT GTG  
K V Q D P S Y A P P K G P F R Q D V

3951 3960 3969 3978 3987 3996  
CCC CCT CCT TCT CAG GTT GCG AGG CTT CAG ACT CCT GAG AAA  
P S P S Q V A R L N R L Q T P E K

4005 4014 4023 4032 4041 4050  
AGC TAC CAA GGC TAC CTG GGA CAT GGC TTC AAC GAG CTT CAG ACT CCT GAG AAA  
S S P S Q V A R L N R L Q T P E K

FIGURE 20

卷之三

FIGURE 2P

...  
...  
...  
...  
...

4545	GGT ACT TCA CAG CAC AGC CAT TAC TCG TAC TTT GTC ATC ACT GTG GTT TTG TTC TCT	4554	4563	4572	4581	4590
4599	TTC CTT TCT CAG CTC TTT GTG ACG GGA GAG TCG GTC ATC CTA TTA CAG AAG CTA	4608	4617	4626	4635	4644
4653	AGC CAT AGT CCA ACA TTG TTT GGT CAC CAT GGG GGT CCT TTT GTA ACT GCC TTA	4662	4671	4680	4689	4698
4707	TGA CTC AAC ATT ACC AAT AAA GTG ATG ATC CTT GTC TGC GTT TAT ACA TAC GCT	4716	4725	4734	4743	4752
4761	TGT TCG GTC CTG TTC CTG ACA CGT GGG TTG AGT CAC CAC AGC TCT GTG TGG GGA	4770	4779	4788	4797	4806
4815	ACG TGG GAG ACA GGA GTG GCT CCT GCC GGG GGA AGC TGG GCC TGC CAT TGG CCC	4824	4833	4842	4851	4860
4869	TGT GTC TAT CAT GAG GGG AGA GCT AAG AAA GAA ATT CTC CTA GGA AGA GCT CAT	4878	4887	4896	4905	4914
4923	GGC CCA GTA CAT CCT AGT AAT TAT TTT AAT TAG TTT TTG TTC TGA CAG CTT GTC	4932	4941	4950	4959	4968
4977	AGG AAG GGC ACA GAA TGG GAC AGA GAT AAA CCA GAC AGT CAT TTT GAT CTG CTC	4986	4995	5004	5013	5022

FIGURE 2Q

5031 TCT ACG GTT TTT CAA GTC AGA GGC AAT TGA TGC TGC TCT AAT GCA TCC ACA CAC

5040 5049 5058 5067 5076  
5085 5094 5103 5112 5121 5130

TGC ATG TCT GAC TGG CGA TGC CAC GCT CCT AAG TAG TTC TGC CAT GAA ACA TAA

5139 5148 5157 5166 5175 5184  
AAG ACA AAG GAA AAG CCG TTA CAC ATC ACA CAG AGA ACA TTT TCG GGT CCC ACA

5193 5202 5211 5220 5229 5238  
GCG GTG GTG GCA GGA AGC TCA CTC TCG CGT CAG TAT TAG AGT GTG TGT GTG GGT

5247 5256 5265 5274 5283 5292  
CTC GGG GAT CTC GGT GGC TCC CAT CTT CCT TCA TTG TTC TGA ACA TCC TGT ATT

5301 5310 5319 5328 5337 5346  
GTA AAC CAT GGC TGG GGT GCT AAA GTG CCT GTG AAT CCC GAT GTG GAA AAA GCT

5355 5364 5373 5382 5391 5400  
GGA GGT GAA AGC TCA GCA TAC CAT GTA TTT ACT TTA AAA ACA GAA AAA AAG ACA

5409 5418 5427 5436 5445 5454  
TGT ATG GAT ATG TCT ATT TTT TTA TTG GCA CAT TGT ATT TTT GTG TTG ACT

5463 5472 5481 5490 5499 5508

FIGURE 2R

5517 TGT CAT GGT TCT GTT TAA TCA CGT GCG GCG TCT AAG TGG TGT TAC CAG  
5526 5535 5544 5544 5553 5562  
5571 5580 5589 5598 5607 5616  
TGT ACG CGC AGT GAC CTT GGA TGA CAG TGG CTC TTT CTC ACA GCC TCC CCT GAG  
5625 5634 5643 5652 5661 5670  
CTG TGA GAA ACA GCT TTC TCT GTA CAT ATG CAA CTC CTA ATA AAA GGC ATA TTT  
5679 5688  
CTT CCT GTT AAA AAA AAA A 3'

FIGURE 2S

1	M K V T V C F G R T G I V V P C K E G Q L R V G E L T Q Q A 1555118
1	M K V T V C F G R T R V V V P C G D G H M K V F S L T Q Q A 2582063
1	M K V T V C F G R T R V V V P C G D G R M K V F S L T Q Q A 93868778
1	M K V T V C F G R T R V V V P C G D G H M K V F S L T Q Q A g8037915
31	L Q R Y L K T R E K G P G Y W V K I H H L E Y T D G G I L D 1555118
31	V T R Y R K A I A K D P N Y W I Q V H R L E H G D G I L D 2582063
31	V T R Y R K A V A K D P N Y W I Q V H R L E H G D G I L D 93868778
31	V T R Y R K A I A K D P N Y W I Q V H R L E H G D G I L D g8037915
61	P D D V I A D V V E D K D K L I A V F E E Q E P L H K I E S 1555118
61	L D D I L C D V A D D K D R L V A V F D E Q D P H H G G D G 2582063
61	L D D I L C D V A D D K D R L V A V F D E Q D P H H G G D G 93868778
61	L D D I L C D V A D D K D R L V A V F D E Q D P H H G G D G g8037915
91	P S G N P A D R Q S P D A F E T E V A A Q - L A A F K P - - 1555118
91	T S A S S S T G T Q S P E I F G S E L G T N N V S A F Q P Y Q 2582063
91	T S A S S S T G T Q S P E I F G S E L G T N N V S A F R P Y Q 93868778
91	T S A S S S T G T Q S P E I F G S E L G T N N V S A F Q P Y Q g8037915
118	I G G E I E V T P S A L K L G T P L L V R R S S D P V - - - 1555118
121	A T S E I E V T P S V L R A N M P L H V R R S S D P A L I G 2582063
121	A T T S E I E V T P S V L R A N M P L H V R R S S D P A L T G 93868778
121	A T S E I E V T P S V L R A N M P L H V R R S S D P A L I G g8037915

FIGURE 3A

145	- - - - -	- - - - -	P G P P A D T Q P S A S H P G G Q S L	1555118
151	L S T S V S D S N F S S E E P S R K N P T R W S T T A G F L	2582063		
151	L S T S V S D N F S S E E P S R K N P T R W S T T A G F L	g3868778		
151	L S T S V S D S N F S S E E P S R K N P T R W S T T A G F L	g8037915		
164	K L V V P D S T - - - - -	- - - - -	- - - - -	1555118
181	K Q N T A G S P K T C D R K K D E N Y R S L P R D T S N W S	2582063		
181	K Q N T T G S P K T C D R K K D E N Y R S L P R D T S N W S	g3868778		
181	K Q N T A G S P K T C D R K - - - - -	g8037915		
172	- - - Q N L E D R E V I N G V Q T E L - - L T S P R T K D	1555118		
211	N Q F Q R D N A R S S L S A S H P M V G K W L E K Q E Q D E	2582063		
211	N Q F Q R D N A R S S L S A S H P M V D R W L E K Q E Q D E	g3868778		
195	- - - - -	- - - - -	- - - - -	g8037915
196	- - - - -	- - - - -	- - - - -	1555118
241	D G T E E D N S R V E P V G H A D T G L E H I P N F S L D D	2582063		
241	E G T E E D S S R V E P V G H A D T G L E N M P N F S L D D	g3868778		
197	D G T E E D N S R V E P V G H A D T G L E H I P N F S L D D	g8037915		
200	M T R T V E I S G E G G P L G I H V V P F F S S L S G R I L	1555118		
271	M V K L V E V P N D G G P L G I H V V P F F S A R G G R T L	2582063		
271	M V K L V Q V P N D G G P L G I H V V P F F S A R G G R T L	g3868778		
227	M V K L V E V P N D G G P L G I H V V P F F S A R G G R T L	g8037915		

FIGURE 3B

230	G L F I R G I E D N S R S K R E G L F H E N E C I V K I N N	1555118
300	G L L V K R L E K G G K A E H E N L F R E N D C I V R I N D	2582063
300	G L L V K R L E K G G K A E Q E N L F H E N D C I V R I N D	g3868778
256	G L L V K R L E K G G K A E H E N L F R E N D C I V R I N D	g8037915
260	V D L V D K T F A Q A Q D V F R Q A M K S P S V L L H V L P	1555118
330	G D L R N R R F E Q A Q H M F R Q A M R T P I I W F H V V P	2582063
330	G D L R N R R F E Q A Q H M F R Q A M R A R V I W F H V V P	g3868778
286	G D L R N R R F E Q A Q H M F R Q A M R T P I I W F H V V P	g8037915
290	P Q N R E Q Y E K S V I G S L N I F G N N - - - - D G V L K	1555118
360	A A N K E Q Y E Q L S Q S E K N N Y Y S S R F S P D S Q Y I	2582063
360	A A N K E Q Y E Q L S Q S E M N N Y S P G R F S P D S H C V	g3868778
316	A A N K E Q Y E Q L S Q S E K N N Y Y S S R F S P D S Q Y I	g8037915
316	T K V P P P V H G K S S G L K T A N L T G T D S P E T D A S A	1555118
390	D N R S V N S A G L H T V Q R A P R L N H P P F Q I D S H S	2582063
390	A N R S V A N N A P Q A L P R A P R L S Q P P E Q L D A H P	g3868778
346	D N R S V N S A G L H T V Q R A P R L N H P P E Q I D S H S	g8037915
346	S L Q Q N K S P R V P R L G G K P S S P S - - L S P L M G -	1555118
420	R L P H S A H P S G K P P S A P A S A P O N V F S T T V S S	2582063
420	R L P H S A H A S T K P P T A P A L A P P N V L S T S V G S	g3868778
376	R L P H S A H P S G K P P S A P A S A P Q N V F S T T V S S	g8037915

FIGURE 3C

373	- F G S N R N A K K I K T D L K K G P E G L G F T V V T R D	1555118
450	G Y N T K K I G K R L N I Q L K K G T E G L G F S I T S R D	2582063
450	V Y N T K R V G K R L N I Q L K K G T E G L G F S I T S R D	g3868778
406	G Y N T K K I G K R L N I Q L K K G T E G L G F S I T S R D	g8037915
402	S S T H G P G P I F V K N I L P K G A A T K D G R L Q S G D	1555118
480	V T I G G S A P I Y V K N I L P R G A A I Q D G R L K A G D	2582063
480	V T I G G S A P I Y V K N I L P R G A A I Q D G R L K A G D	g3868778
436	V T I G G S A P I Y V K N I L P R G A A I Q D G R L K A G D	g8037915
432	R I L E V N G R D V T G R T Q E E L V A M I R S T K Q G E T	1555118
510	R L I E V N G V D L V G K S Q E E V V S L L R S T K M E G T	2582063
510	R L I E V N G V D L A G K S Q E E V V S L L R S T K M E G T	g3868778
436	R L I E V N G V D L V G K S Q E E V V S L L R S T K M E G T	g8037915
462	A S L V I A R Q E G H F L P R E L K G E P D C C A L S L E T	1555118
540	V S L L V F R Q E D A F H P R E L N A E P S Q M Q I P K E T	2582063
540	V S L L V F R Q E E A F H P R E M N A E P S Q M Q S P K E T	g3868778
496	V S L L V F R Q E D A F H P R E L - - - - - - - - - - -	g8037915
492	S E Q - - - - - - - - - - -	1555118
570	K A E D E D I V L T P D G T R E F L T F E V P L N D S G S A	2582063
570	K A E D E D I V L T P D G T R E F L T F E V P L N D S G S A	g3868778
513	K A E D E D I V L T P D G T R E F L T F E V P L N D S G S A	g8037915

FIGURE 3D

508	G L G V S L K G N K   S R E T G T D L G I F I K S I I H G G A	1555118
600	G L G V S V K G N R S K E N H A D L G I F V K S I I N G G A	2582063
600	G L G V S V K G N R S K E N H A D L G I F V K S I I N G G A	g3868778
543	G L G V S V K G N R S K E N H A D L G I F V K S I I N G G A	g8037915
538	A F K D G R L R M N D Q L I A V N G E S L L G K S N H E A M	1555118
630	A S K D G R L R V N D Q L I A V N G E S L L G K T N Q D A M	2582063
630	A S K D G R L R V N D Q L I A V N G E S L L G K A N Q E A M	g3868778
573	A S K D G R L R V N D Q L I A V N G E S L L G K T N Q D A M	g8037915
568	E T L R R P M S M E G N I R G M I Q L V I L R R - - - - -	1555118
660	E T L R R S M S T E G N K R G M I Q L I V A R R I S K C N E	2582063
660	E T L R R S M S T E G N K R G M I Q L I V A R R I S R C N E	g3868778
603	E T L R R S M S T E G N K R G M I Q L I V A R R I S K C N E	g8037915
592	- - - - - P E R P M E D P - A E C G A F S K P C F E	1555118
690	L K S P G S P P G P E L P I E T A L D D R E R R I S H S L Y	2582063
690	L R S P G S P A A P E L P I E T E L D D R E R R I S H S L Y	g3868778
633	L K S P G S P P G P E L P I E T A L D D R E R R I S H S L Y	g8037915
612	N C Q N A V T T S R R N D N S I L H P L G T C S P Q D K Q K	1555118
720	S G I E G L D E S P S R N A A L S R I M G E S G K Y Q L S P	2582063
720	S G I E G L D E S P T R N A A L S R I M G E S G K C Q L S P	g3868778
663	S G I E G L D E S P S R N A A L S R I M G - - - K Y Q L S P	g8037915

FIGURE 3E

642	G L L L P N D G W A E S E	- - - - - V P P	- - - - - S P	1555118
750	T V N M P Q D D T V I I E D D R L P V L P P H L S D Q S S S	2582063		
750	T V N M P H D D T V M I E D D R L P V L P P H L S D Q S S S	g3868778		
690	T V N M P Q D D T V I I E D D R L P V L P P H L S D Q S S S	g8037915		

660	T P H S A L G L G L E D	- - - - - - - - - Y S H S	1555118
780	S S H D D V G F V T A D A G T W A K A A I S D S A D C S L S	2582063	
780	S S H D D V G F I M T E A G T W A K A T I S D S A D C S L S	g3868778	
720	S S H D D V G F V T A D A G T W A K A A I S D S A D C S L S	g8037915	

676	S G V D S A V Y F P D Q H I N F R S V T P A R	- - - - -	1555118
810	P D V D P V L A F Q R E G F G R Q S M S E K R T K Q F S D A	2582063	
810	P D V D P V L A F Q R E G F G R Q S M S E K R T K Q F S N A	g3868778	
750	P D V D P V L A F Q R E G F G R Q - - - - - - - - -	g8037915	

699	- Q P E S I N L K A S K S M D L - V P D E S K V H S L A G Q	1555118
840	S Q L D F V K T R K S K S M D L G I A D E T K L N T V D D Q	2582063
840	S Q L D F V K T R K S K S M D L G I A D E T K L N T V D D Q	g3868778
767	- - - - - - - - - - - - - - - I A D E T K L N T V D D Q	g8037915

727	K S E S P S K D F G P T I L G L K S S S L E S L Q T A V A E	1555118
870	K A G S P S R D V G P S I L G L K S S S L E S L Q T A V A E	2582063
870	R A G S P N R D V G P S I L G L K S S S L E S L Q T A V A E	g3868778
780	K A G S P S R D V G P S I L G L K S S S L E S L Q T A V A E	g8037915

FIGURE 3F



863	- - - - -	- - - - -	- - - - -	- - - - -	P E R K I K K G	1555118
1050	E E R I R M K Q E Q E R I Q A K T R E F R E R Q A R E R D	2582063				
1050	E E D R V R M K E E Q E R I Q A K T R E F R E R Q A R E R D	g3868778				
960	E E R I R M K Q E Q E R I Q A K T R E F R E R Q A R E R D	g8037915				
872	F G A M - - - - -	[L] R Y G P - - - - -	A	1555118		
1080	Y A E I Q D F H R T F G C D D E L M Y G G V S S Y E G S M A	2582063				
1080	Y A E I Q D F H R T F G C D D E L M Y G G [M] S S Y D G C L A	g3868778				
990	Y A E I Q D F H R T F G C D D E L M Y G G V S S Y E G S M A	g8037915				
882	[L] K A K - - - - -	[L] V L I L S L L K K A H A - - -	1555118			
1110	L N A R P Q S P R E G H M M D A L Y A Q V K K P R N S K P S	2582063				
1110	L N A R P Q S P R E G H [L] M D [T] L Y A Q V K K P R S S K P G	g3868778				
1020	L N A R P Q S P R E G H M M D A L Y A Q V K K P R N S K P S	g8037915				
899	- - - - -	- - - F P R L Q P - - - - -	1555118			
1140	P V D S N R S T P S N H D R I Q R L R Q E F Q Q A K Q D E D	2582063				
1140	- - D S N R S T P S N H D R I Q R L R Q E F Q Q A K Q D E D	g3868778				
1050	P V D S N R S T P S N H D R I Q R L R Q E F Q Q A K Q D E D	g8037915				
905	- - - - -	- - - - -	1555118			
1170	V E D R R R T Y S F E Q P W P N A R P A T Q S G R H S V S V	2582063				
1168	V E D R R R T Y S F E Q [S] W S S R P A [S] Q S G R H S V S V	g3868778				
1080	V E D R R R T Y S F E Q P W P N A R P A T Q S G R H S V S V	g8037915				

FIGURE 3H

FIGURE 3I

FIGURE 3J

934 - - - - - L S  
 1349 E K G R P F Y S  
 1330 E K G R P F Y S  
 1259 E K G R P F Y S

1555118  
 2582063  
 g3868778  
 g8037915